

REFRIGERATED PRODUCT DISPENSER

ABSTRACT OF THE DISCLOSURE

Embodiments of the present invention are directed to a dispensing apparatus for dispensing a flowable product at or below a preset low temperature. In one embodiment, the apparatus comprises a refrigerated container in which to dispose the product package. The container includes a gas outlet and a return gas inlet. A dispenser housing has a dispenser gas inlet coupled with the gas outlet of the refrigerated container to receive a cool gas from the refrigerated container, and a dispenser gas outlet coupled with the return gas inlet of the refrigerated container to return the cool gas to the refrigerated container. A product outlet extends from the dispenser housing to dispense the flowable product from the product package. A product flow line is disposed in the dispenser housing and coupled between the product package and the product outlet. An external surface of the product flow line is exposed to the cool gas in the dispenser housing from the refrigerated container flowing between the dispenser gas inlet and the dispenser gas outlet.

23304217 v1